

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~[[double brackets]]~~ or ~~striktthrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 12, 15, 24, and 29, CANCEL claims 13-14, and ADD new claims 31-33 in accordance with the following:

1-11. (cancelled)

12. (currently amended) A method for transmitting data in a radio communications system, comprising:

providing a common channel allocated concurrently to a plurality of subscribers for data transmission between a base station and subscriber stations of the subscribers;

taking measurements in the subscriber stations of transmission quality of the common channel for each of the subscriber stations; ~~and making~~

transmitting the measurements to the base station so as to make the measurements available to the base station; and

transmitting from the base station a first message to a controlling radio network controller allocated to the base station when the measurements show that the transmission quality does not meet a first defined criterion, the first message containing information about the transmission quality and an identifier of at least one particular subscriber station for which the measurements indicated that the transmission quality meets a second criterion.

13-14. (cancelled)

15. (currently amended) A method in accordance with claim ~~[[14]]~~12, wherein each of the subscriber stations has a serving radio network controller corresponding thereto which is responsible for configuration of the respective subscriber stations, and

wherein said method further comprises transmitting a second message from the controlling radio network controller to the serving radio network controller allocated to each of the at least one particular subscriber station.

16. (previously presented) A method in accordance with claim 15, wherein a specified transmission rate is agreed for each subscriber, and wherein said method further comprises checking compliance with the agreed transmission rate during said making of the measurements of the transmission quality.

17. (previously presented) A method in accordance with claim 16, further comprising: allocating timers to data units to be transmitted; ceasing transmission of the data units after a corresponding timer has elapsed; and checking, during the making of the measurements of the transmission quality, to determine whether a number of elapsed timers relative to a total number of allocated timers exceeds a specified threshold value.

18. (previously presented) A method in accordance with claim 17, wherein the first message contains at least one of a name of each of the at least one particular subscriber station and how many of the subscriber stations for which the transmission quality was bad.

19. (previously presented) A method in accordance with claim 18, wherein the second message contains the name of each of the at least one particular subscriber station.

20. (previously presented) A method in accordance with claim 19, further comprising allocating a temporary identification being to the subscriber stations by the controlling radio network controller, and wherein the temporary identification is used to name the subscriber stations.

21. (previously presented) A method in accordance with claim 20, further comprising deriving, by the controlling radio network controller, a suggested solution for a change of the configuration of the subscriber stations from the first message, and wherein the second message includes the suggested solution.

22. (previously presented) A method in accordance with claim 21, wherein the suggested solution contains information on at least one of a possible transmission procedure to a different base station and allocation of a dedicated channel for a corresponding one of the at least one particular subscriber station.

23. (previously presented) A method in accordance with claim 15,
further comprising deriving, by the controlling radio network controller, a suggested
solution for a change of the configuration of the subscriber stations from the first message, and
wherein the second message includes the suggested solution.

24. (currently amended) A method in accordance with claim ~~[[13]]~~12,
wherein each of the subscriber stations has a serving radio network controller
corresponding thereto which is responsible for configuration of the respective subscriber
stations, and
wherein said method further comprises transmitting a second message from the
controlling radio network controller to the serving radio network controller allocated to each of
the at least one particular subscriber station.

25. (previously presented) A method in accordance with claim 24,
further comprising deriving, by the controlling radio network controller, a suggested
solution for a change of the configuration of the subscriber stations from the first message, and
wherein the second message includes the suggested solution.

26. (previously presented) A method in accordance with claim 12,
wherein each of the subscriber stations has a serving radio network controller
corresponding thereto which is responsible for configuration of the respective subscriber
stations, and
wherein said method further comprises transmitting a second message from the
controlling radio network controller to the serving radio network controller allocated to each of
the at least one particular subscriber station.

27. (previously presented) A method in accordance with claim 26,
further comprising deriving, by the controlling radio network controller, a suggested
solution for a change of the configuration of the subscriber stations from the first message, and
wherein the second message includes the suggested solution.

28. (cancelled)

29. (currently amended) A radio communications system, comprising:
serving radio network controllers;
a controlling radio network controller in communication with the serving radio network controllers;
base stations in communication with the controlling radio controller;
a plurality of subscriber stations using a shared channel for exchanging data with a base station among the base stations, each subscriber station being configurable based on a message received from one of serving radio network controllers,
wherein a base station sends a first message to the controlling radio network controller when a ~~measured~~ transmission quality measured in the subscriber stations and made available to the base station of at least one of the plurality of subscriber stations exchanging data with the base station does not meet a defined criterion, the first message containing information about the transmission quality and about the at least one subscriber station.

30. (previously presented) A radio communications system in accordance with claim 29, wherein the controlling radio network controller sends a second message to the one of the serving radio controllers that is able to configure the at least one subscriber stations.

31. (new) The method in accordance with claim 12, wherein the measurements of transmission quality are based on at least one of a transmission rate via the common channel and determining a ratio of a number of elapsed timers relative to a total number of allocated timers.

32. (new) A subscriber station adapted for establishing a connection with a base station in a radio communications system, the subscriber station comprising:
a receiver configured for receiving data from the base station;
a measurement apparatus configured to take measurements of transmission quality of a common channel between the base station and the subscriber station; and
a transmitter configured to transmit the measurements to the base station so as to make the measurements available to the base station.

33. (new) A method for transmitting data in a radio communications system in which a plurality of subscriber stations use a shared channel for exchanging data with a base station, comprising:

measuring a transmission quality of the shared channel for each of the subscriber stations in the subscriber stations;

transmitting the measured transmission quality to the base station; and

transmitting a first message from the base station to a controlling radio network controller controlling the base station when transmission quality based on one of a transmission rate and a ratio of a number of elapsed timers relative to a total number of allocated timers of at least one of the subscriber stations is inadequate, the first message containing information about the measured transmission quality of the at least one subscriber station with inadequate transmission quality.